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(71) Applicant (*for all designated States except US*): **THE UNIVERSITY OF LIVERPOOL** [GB/GB]; Senate House, Abercromby Square, Liverpool L69 3BX (GB).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **POWELL, Andrew** [GB/GB]; 23 Ashley Meadows, Romsey, Hants SO51 7LT (GB). **TURNBULL, Jeremy** [GB/GB]; Willows Cottage, 11 Doddington, Hopton Wafers, Shropshire DY14 0NT (GB). **YATES, Edwin** [US/US]; 52 Clarendon Road, Four Oaks, Sutton Coldfield, West Midlands B75 5LA (US).

(74) Agents: **CHAPMAN, Paul, W. et al.**; Kilburn & Strode, 20 Red Lion Street, London WC1R 4PJ (GB).

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(54) Title: **LIBRARIES OF HEPARAN SULFATES DERIVATIVES**

(57) Abstract: Novel methodologies for producing saccharide libraries are provided as well as the libraries themselves.

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INTERNATIONAL SEARCH REPORT

national Application No

P B 03/03236

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C08B37/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
4 X	<p>DATABASE BIOSIS BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; WU ZHENGLIANG L & AL: "A NEW STRATEGY FOR DEFINING CRITICAL FUNCTIONAL GROUPS ON HEPARAN SULFATE" XP002268531 abstract & FASEB JOURNAL, vol. 16, no. 6, April 2002 (2002-04), pages 539-545, MASSACHUSETTS INSTITUTE of TECHNOLOGY, CAMBRIDGE, USA</p> <p>----- -/--</p>	1-22

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the International filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the International filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Contet, F

INTERNATIONAL SEARCH REPORT

International Application No

PC IB 03/03236

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 6 127 347 A (HOLME KEVIN R ET AL)</p> <p>3 October 2000 (2000-10-03)</p> <p>column 1, line 25 - line 55</p> <p>column 4, line 58 - column 5, line 10</p> <p>column 12, line 57 - line 63; claims</p> <p>1,10,11; examples 1,3,4</p> <p>-----</p>	1-22

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB 03/03236

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-22 (partially)

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-22 (partially)

A method for the production of a library of heparan sulfate derivatives said method comprising a chemical modification step, specially characterised in that the step is selected from the steps A or B.

2. claims: 1-22 (partially)

A method for the production of a library of heparan sulfate derivatives said method comprising a chemical modification step, specially characterised in that the step is selected from the steps C or D.

3. claims: 1-22 (partially)

A method for the production of a library of heparan sulfate derivatives said method comprising a chemical modification step, specially characterised in that the step is selected from the steps E or G.

4. claims: 1-22 (partially)

A method for the production of a library of heparan sulfate derivatives said method comprising a chemical modification step, specially characterised in that the step is selected from the steps F or H.

5. claims: 1-22 (partially)

A method for the production of a library of heparan sulfate derivatives said method comprising a chemical modification step, specially characterised in that the step is selected from the steps I or J.

6. claims: 1-22 (partially)

A method for the production of a library of heparan sulfate derivatives said method comprising a chemical modification step, specially characterised in that the step is selected from the steps K to O.

7. claims: 1-22 (partially)

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

A indefinite number of possible methods for the production of libraries of heparan sulfate derivatives comprising a combination of chemical modification steps, specially characterised in that two or three modification steps of said selection the step are selected from the group A to O.

INTERNATIONAL SEARCH REPORT

International Application No

Pt B 03/03236

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6127347	A	03-10-2000	US 5583121 A 10-12-1996
			AU 4988096 A 04-09-1996
			WO 9625169 A2 22-08-1996
			AU 694177 B2 16-07-1998
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